

Algebra 1-2

Name _____

Per. _____ Date _____

Rounding Numbers

Remember: Look at the number to the right of the place you are rounding to.
If it is 5 or more - round up. If it is below 5 it stays the same.

whole number (ex. 1, 2, 3, ..., 21...)
tenth (ex. 0.1, 7.6, 34.9, ...)

hundredth (ex. 0.12, 1.34, 98.98...)
thousandths (ex. 0.123, 3.876, 4.235, ...)

Practice: Round the following numbers to the nearest...

Whole number:

1. 21.684 22 2. 12.436 12 3. 8.962 9 4. 0.752 1 5. 1.123 1

Tenth:

6. 14.852 14.9 7. 5.52 5.5 8. 6.476 6.5 9. 0.423 0.4 10. 185.038 185.0

Hundredth:

11. 0.2587 0.26 12. 12.9852 12.99 13. 1.2629 1.26 14. 35.42385 35.42 15. 1.3695 1.37

Adding and Subtracting Fractions

WARNING!!!

The numbers on the bottom (denominators) **MUST** be the same in order to + or -.

Practice:

16. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$ 17. $2 + \frac{13}{8} = \frac{8}{8} + \frac{13}{8} = \frac{21}{8} = 2\frac{5}{8}$

$\frac{2+4}{5} = \frac{6}{5}$ $\frac{2}{1} + \frac{13}{8} = \frac{16}{8} + \frac{13}{8} = \frac{29}{8} = 3\frac{5}{8}$

$\frac{8}{8} \cdot \frac{2}{1} = \frac{16}{8}$

$$18. \frac{5}{4} - \frac{3}{4} = \frac{5-3}{4} = \frac{2}{4} = \frac{1}{2} \quad 19. \frac{9}{5} - \frac{5}{8} = \frac{72}{40} - \frac{25}{40} = \frac{47}{40} = 1\frac{7}{40}$$

$$\frac{9}{5} \cdot \frac{8}{8} = \frac{72}{40}$$

$$\frac{5}{8} \cdot \frac{5}{5} = \frac{25}{40}$$

Multiplying Fractions

NOTES: MULTIPLY NUMERATORS
MULTIPLY DENOMINATORS
SIMPLIFY

Practice:

$$20. \frac{8}{7} \cdot \frac{7}{10} = \frac{56}{70} = \frac{28}{35} = \frac{4}{5} \quad 21. \frac{2}{3} \cdot \frac{5}{4} = \frac{5}{6} \quad 22. \frac{5}{4} \cdot \frac{1}{3} = \frac{5}{12}$$

$$\frac{48}{18} \cdot \frac{71}{105} = \frac{4}{5}$$

Dividing Fractions

NOTES: CHANGE \div TO MULTIPLICATION
MULTIPLY BY THE RECIPROCAL OF THE DIVISOR

Practice:

$$23. \frac{1}{2} \div \frac{8}{7} = \frac{1}{2} \cdot \frac{7}{8} = \frac{7}{16} \quad 24. \frac{9}{5} \div \frac{2}{1} = \frac{9}{5} \cdot \frac{1}{2} = \frac{9}{10} \quad 25. \frac{1}{5} \div \frac{7}{4} = \frac{1}{5} \cdot \frac{4}{7} = \frac{4}{35}$$